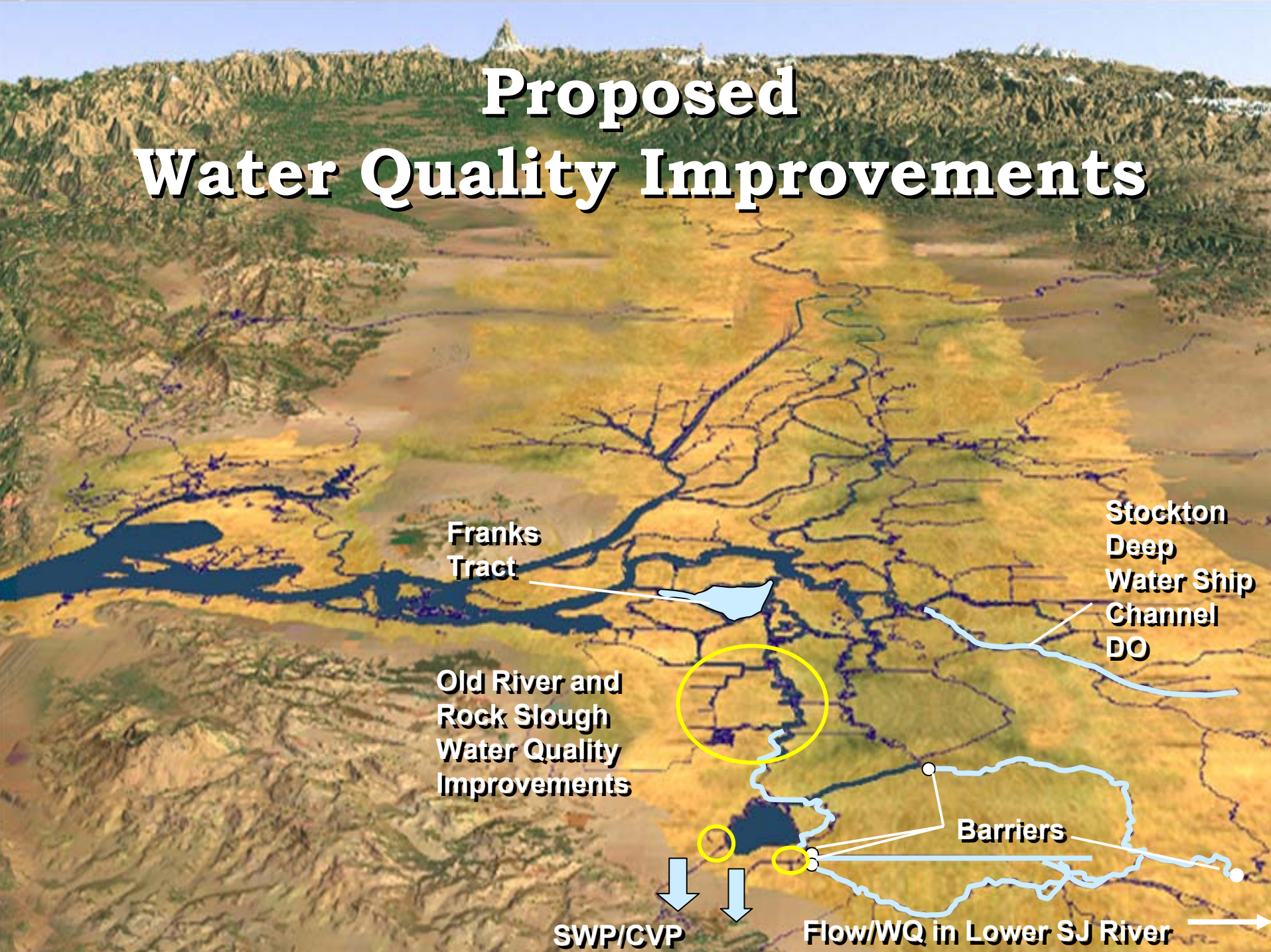
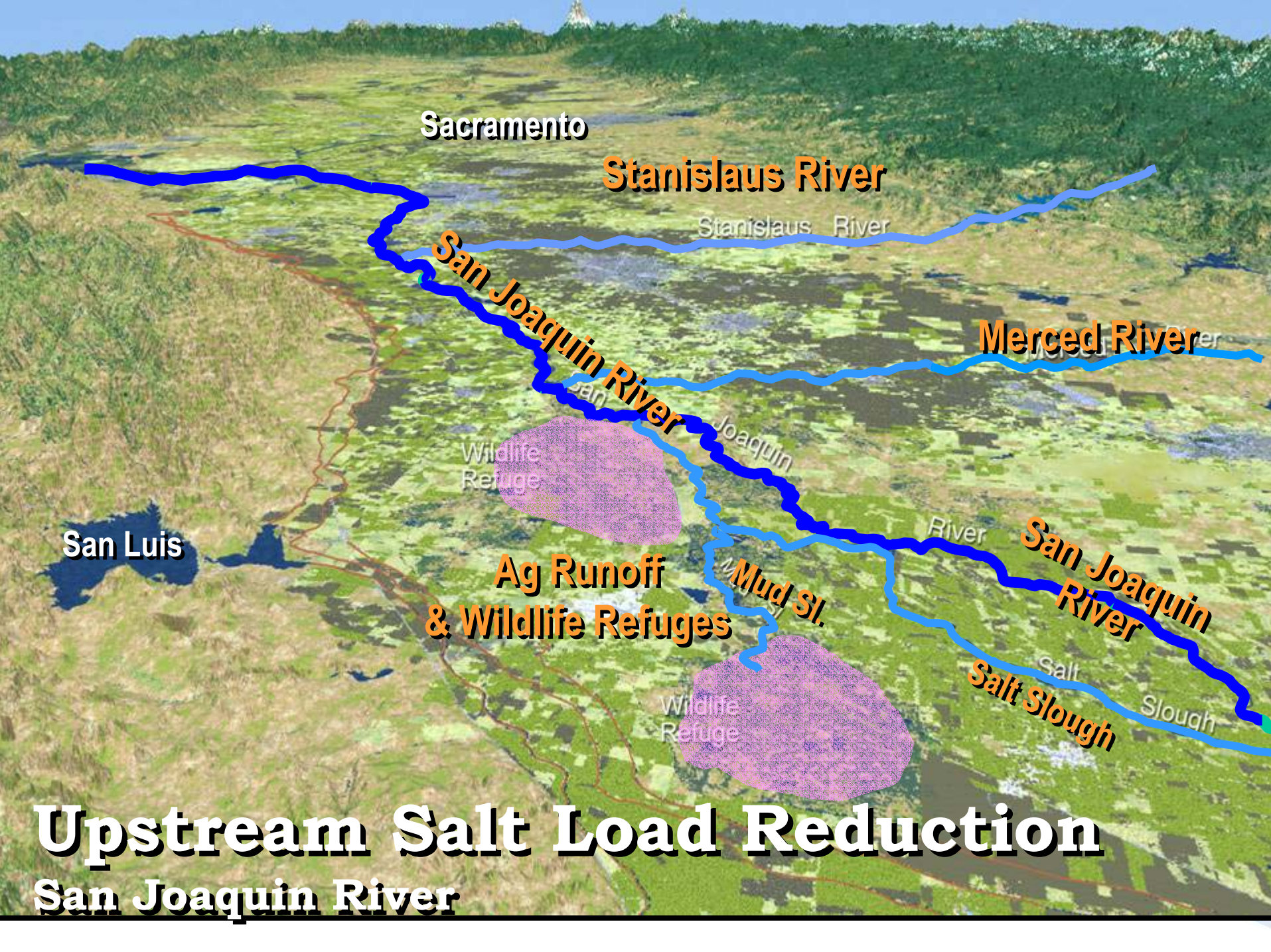


A large, stylized blue wave graphic that flows from the top left towards the bottom right, framing the text. The wave has a thick, rounded appearance with a slight gradient.

Delta Improvements Program Water Quality Activities

Proposed Water Quality Improvements





Sacramento

Stanislaus River

Stanislaus River

San Joaquin River

San Joaquin River

Merced River

San Luis

Wildlife
Refuge

**Ag Runoff
& Wildlife Refuges**

Mud Sl.

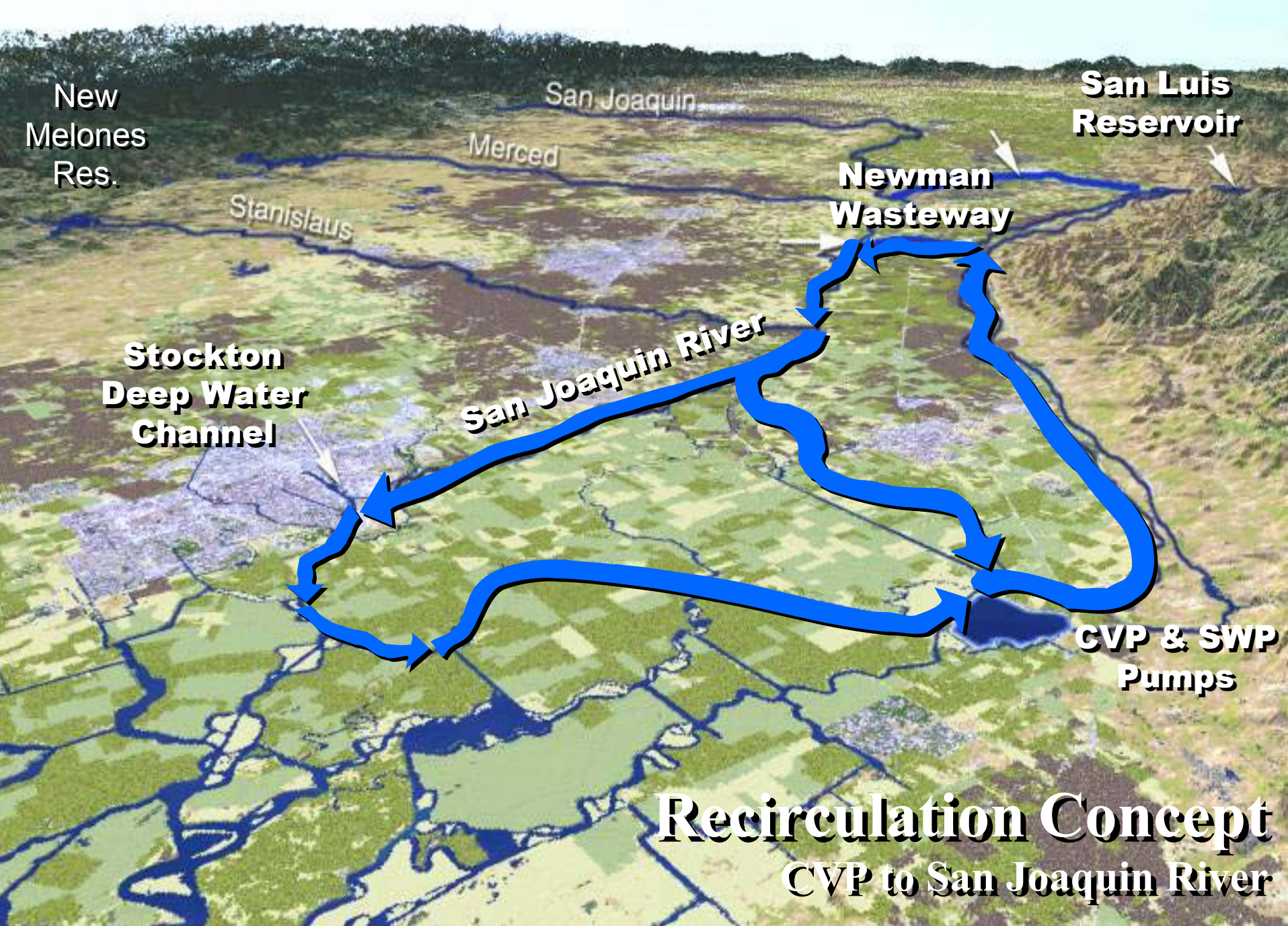
**San Joaquin
River**

Wildlife
Refuge

**Salt
Slough**

Upstream Salt Load Reduction

San Joaquin River



New
Melones
Res.

San Joaquin

San Luis
Reservoir

Merced

Newman
Wasteway

Stanislaus

Stockton
Deep Water
Channel

San Joaquin River

CVP & SWP
Pumps

Recirculation Concept
CVP to San Joaquin River

An aerial photograph of the New Melones Reservoir, showing a large concrete dam across a deep valley. The reservoir is filled with blue water, and the surrounding hills are covered in green and brown vegetation. A small yellow structure is visible on the left hillside, and a road winds through the valley. The text "New Melones Reservoir" is overlaid in the top right.

New Melones Reservoir

Voluntary Water Purchases
to reduce demands on New Melones

South Delta Improvements



Grant Line



Middle River



Head of Old River



Old River @ Tracy

SWP



CVP



South Delta Improvements

Channel Dredging



Ag Diversion
Extensions



Diversion
Dredge Site

Channel Dredging

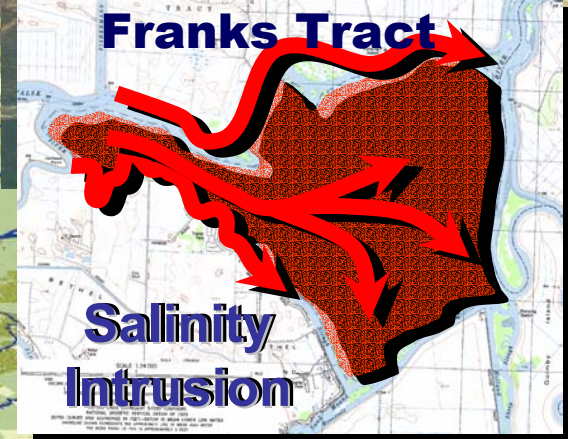


Central Delta Improvements

Franks Tract

**Veale & Byron Tract
drain relocations**

Sac



Stockton Deep Water Ship Channel Dissolved Oxygen Implementation Strategy

- Funded \$4.5M on studies that evaluated the sources and causes of low dissolved oxygen in the San Joaquin River. CBDA staff is facilitating the process within the RWQCB schedule and regulatory framework for dissolved oxygen TMDL
- Next Steps
 - Expand stakeholder implementation plan to involve other agencies and public
 - Fund aeration demonstration project
 - Fund evaluation of non-aeration alternatives

Old River & Rock Slough Water Quality Improvements

- Purpose is to reduce or relocate agricultural drainage in the South Delta and to line a portion of CCWD Canal, minimizing salinity and other water quality constituents of concern to drinking water at urban intakes in the South Delta
- \$2.0 M funded to Date
- \$2.8 M recommended for starting initial implementation of the Projects

Preliminary Water Quality Modeling Salinity Reductions

+1-5%

Franks Tract

-10-35%

-15-20%

DWR Analysis
Franks Tract Reclamation



Modeling by J. Burau, USGS
Visualization by MWD

Franks Tract dye simulation without barriers

Phased approach being considered for Franks Tract that will allow incremental improvement and monitoring to achieve the most cost effective solutions

- Funding for feasibility of ecosystem and water quality benefits associated with restoration of flooded islands
- Feasibility Studies/Science/Performance monitoring are keys to phased development
- Integration with other Delta water quality actions throughout process